

09/446024

1/9

FIG 1

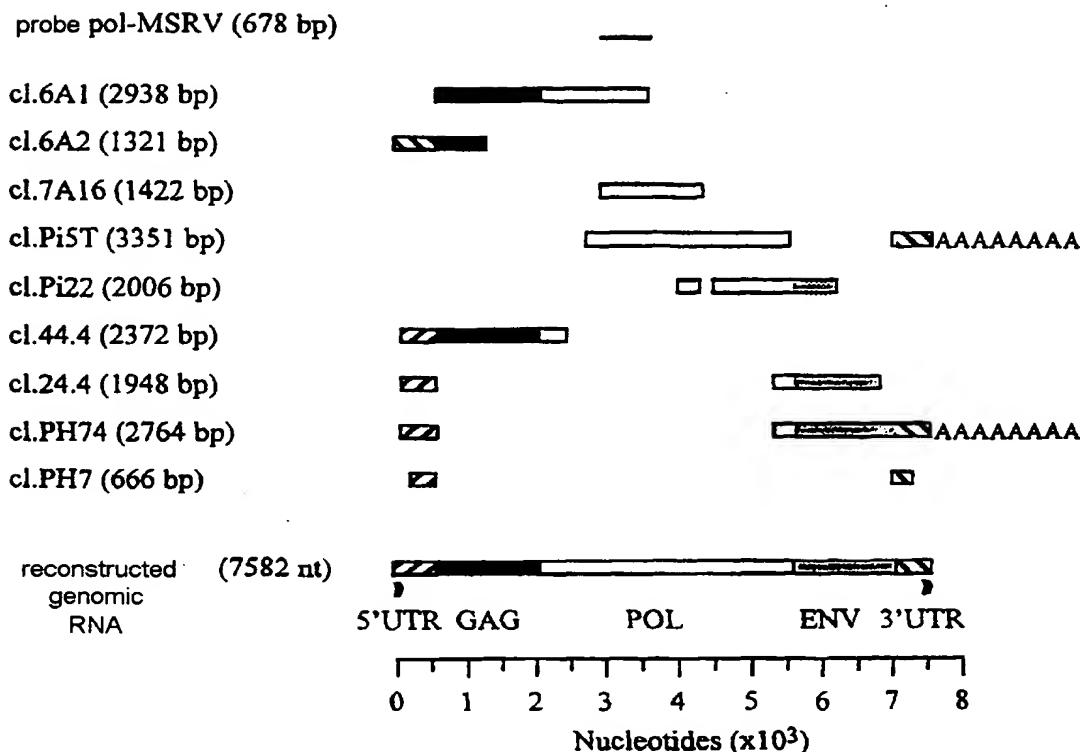


FIG 2

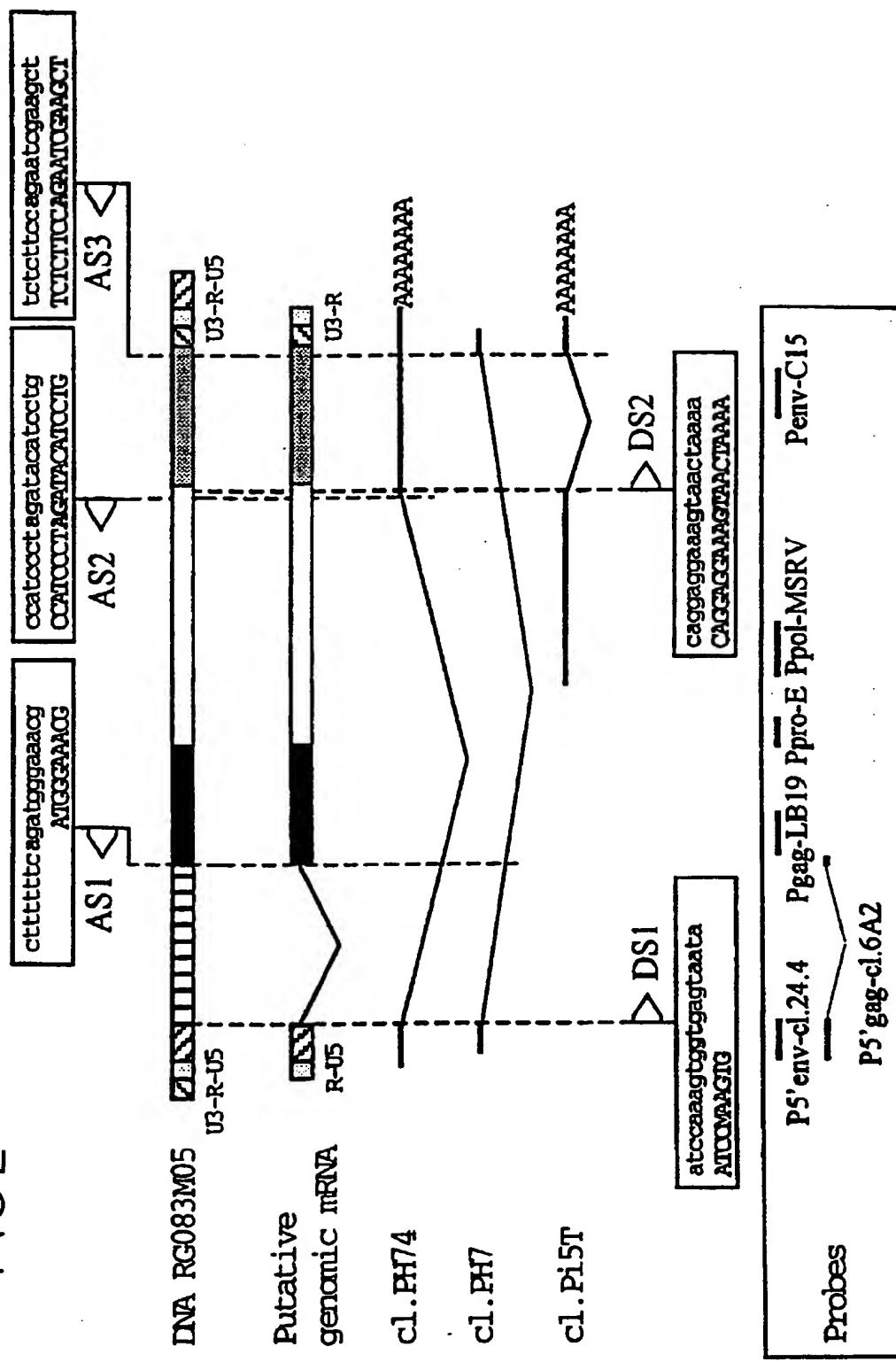
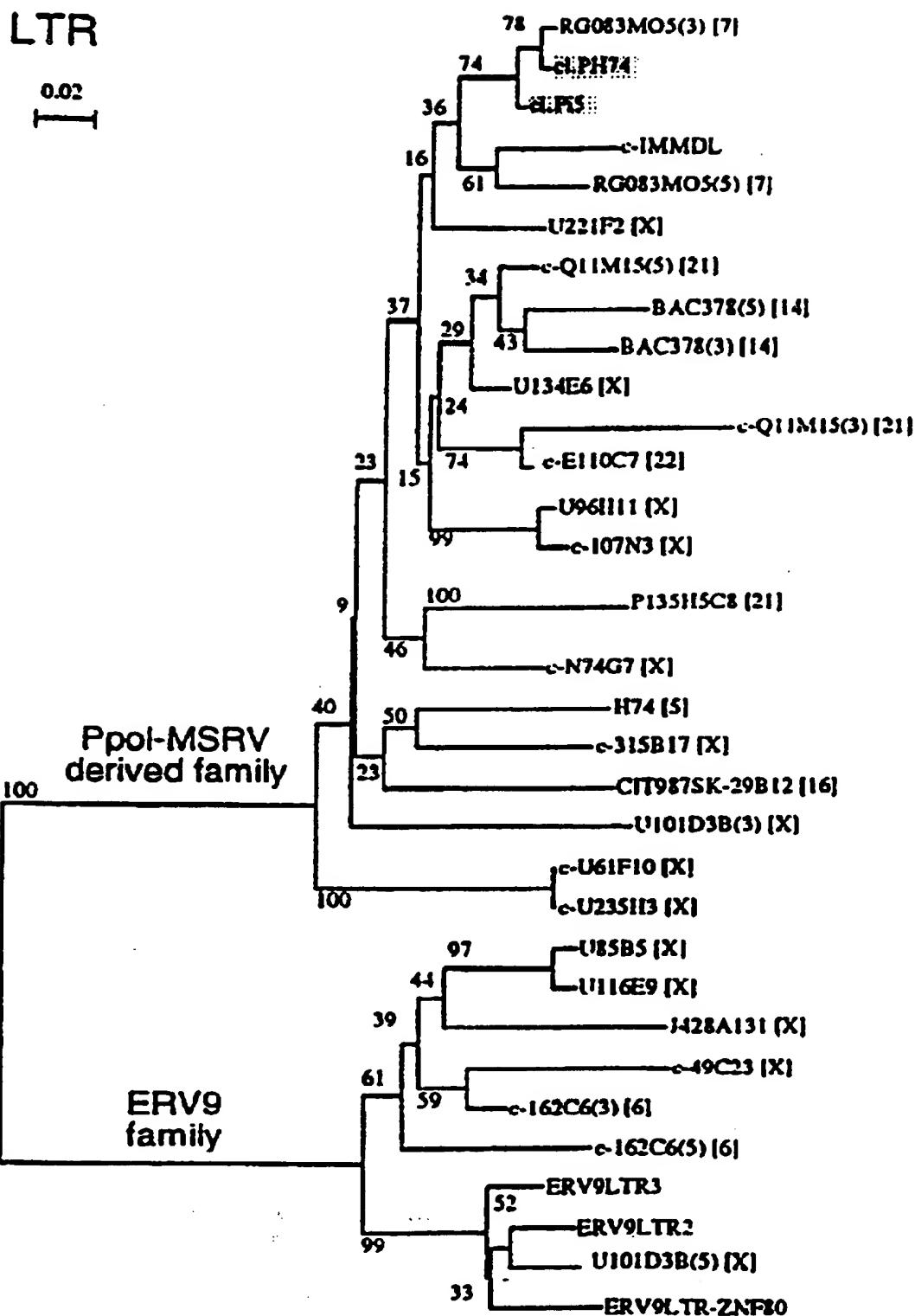


FIG 3

	Names	Similarities	Repetitions	ORFs
	Recons RNA			538
28274	RG083M05 [7]	96%	yes	538
6911	BAC378 [14]	88%	yes	no
35199	Q11M15 [21]	89%	yes	413 and 305
91299	U134E6 [x]	88%	no	no
1	7582			
	37879			
	— 14079			
	— 27999			
	— 94627			

1kB

FIG 4A

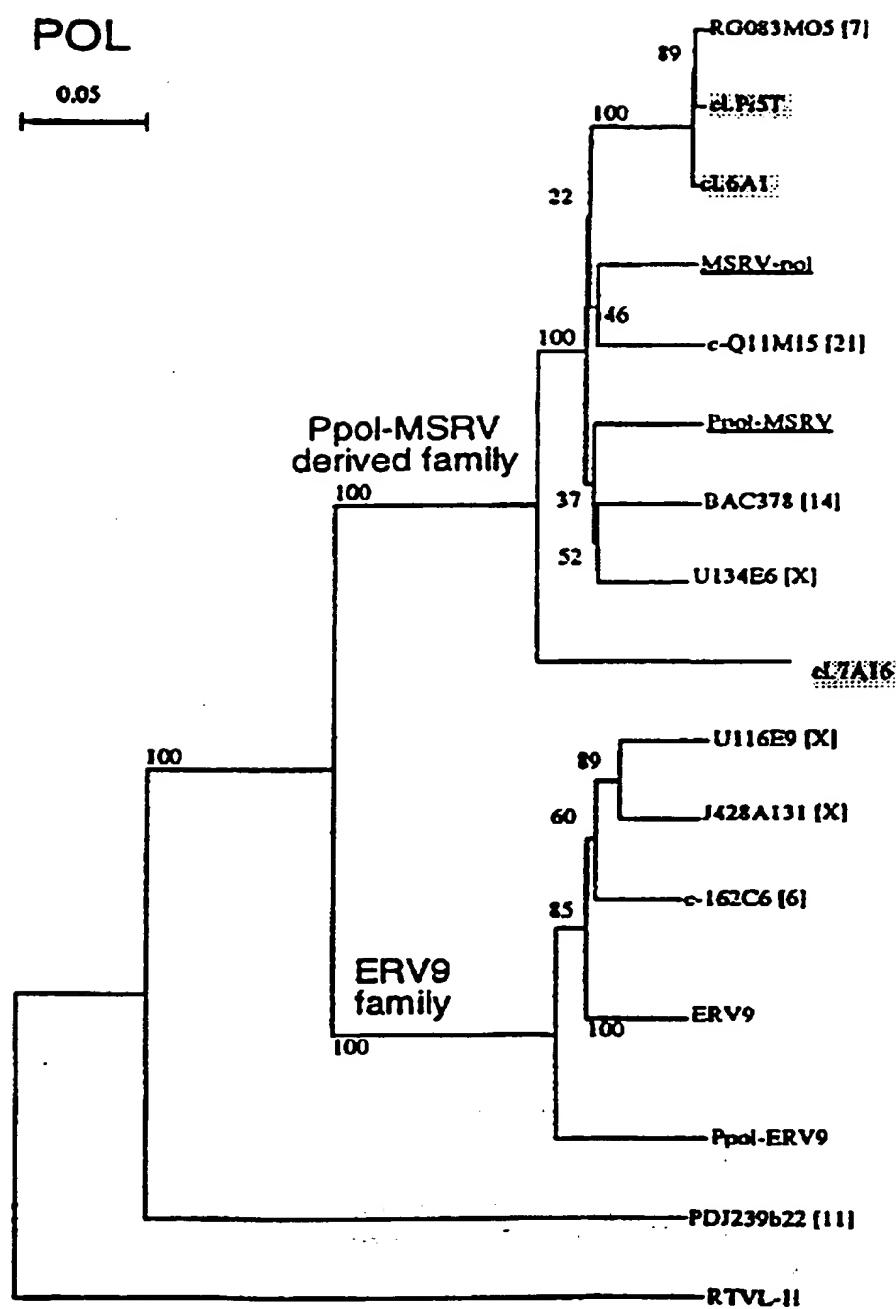


09/446024 - 12/16/99

09/446024

5 / 9

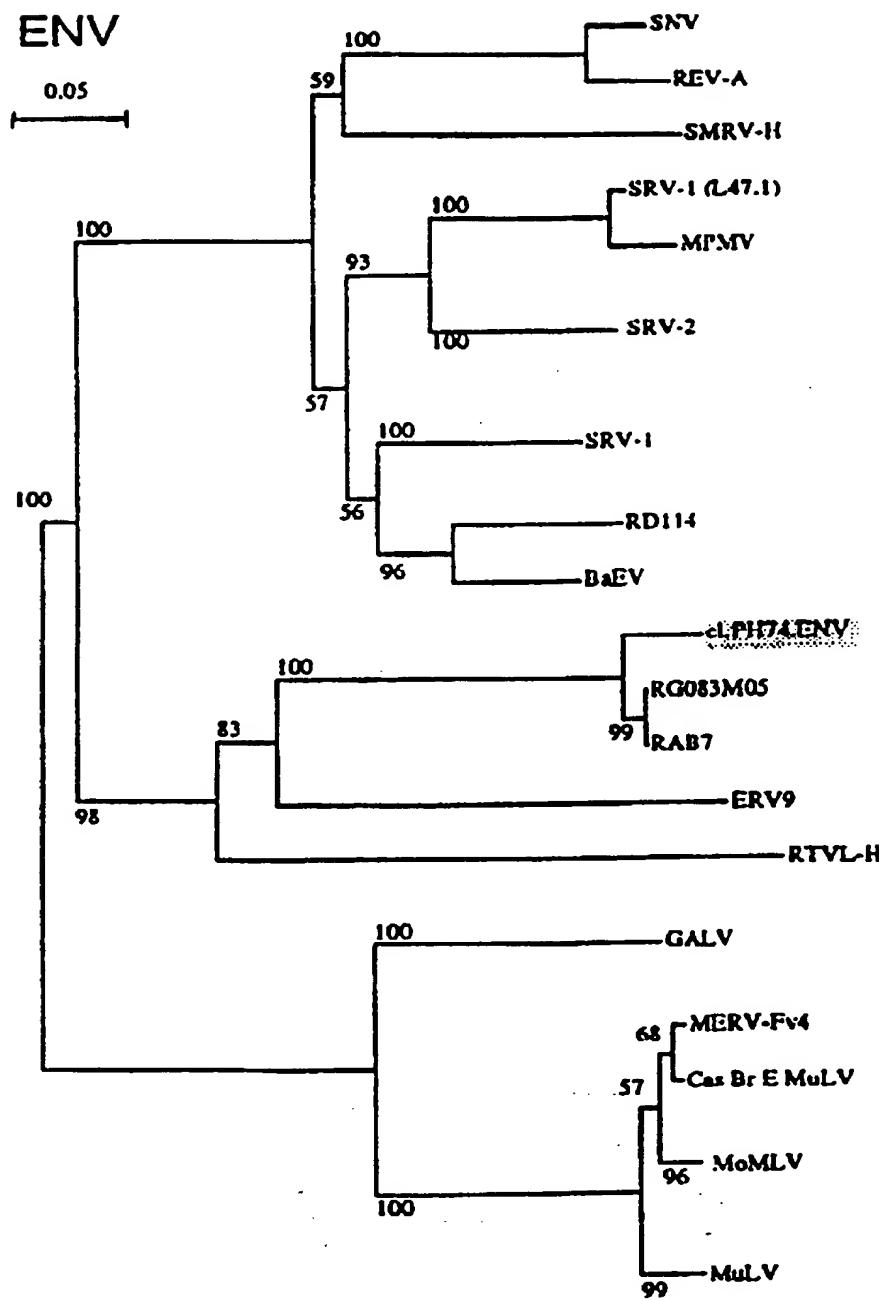
FIG 4 B



09/446024

6/9

FIG 4C



09/446024 - 121695

09 / 446024

7 / 9

FIG 5A

09 / 446024

8 / 9

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09/446024

9/9

ORF1: ENV (538 AA) FIG 6

<--- L ---><--- SU
MGLPYHIFLCVLSPLCFTLTAPPCCRMTSSSPHPEFLWRMQRPGNIDAPSYRSLSKGTP 60
A FT V S YQ C

TFTAHTHMPRNCYHSATLCMHANTHYWTGKMINPSCPAGGLGVTCWTYFTQTGMSDGGGV 120

QDQAREKHVKEVISQLTGVHGTSSPYKGLDLSKLHETLRTHTRLVSLFNTTLTGLHEVSA 180
R

QNPTNCWICLPLNFRPYVSIPVPEQWNPFSTEINTTSVLVGPLVSNVEITHTSNLTCVKF 240
L

SNNTYTTNSQCIRWVTPTQIVCLPSGIFFVCGTSAYRCLNGSSESMCFLSFLVPPMAIY 300
T

---><--- TM
TEQDLYSYVISPKPRNKRVPILPFVIGAGVLGALGTGIGGITTSTQFYKLSQELNGDMER 360

VADSLVTLQDQLNSLAAVVLQNRRALDLTAERGGTCLFLGECCYYVNQSGIVTEKVEE 420
R S K

IPDRIQRIAEEELRNTGPWGLLSRWMPWILPFLGPLAAIILLLGPCIFDLLVNFVSSRI 480
R R Q N
--->
EAVKLQMEPKMQSKTKIYRRPLDRPVSPRSVDNDIKGTPPEEISAAQPLLRPNSAGSS 538

ORF2 (52AA)

MEPKMQSKTKIYRRPLDRPVSPRSVDNDIKGTPPEEISAAQPLLRPNSAGSS-

Alignment ORF2 and Rex PTLV-L

ORF2	KIY-RRPLDRPVSPRSVDNDIKGTPPEEISAAQPLLRP
	++Y LD P SP ++ P S QPLLRP
Rex PTLV-L (B53482)	RLYNTLSLDSPSPPKELPA----PSRFSPQPLLRP

ORF3 (48AA)

MLMTSKAPLLRKSQLHNLYYAPIQQEAVRAVVGQPPQQHLGFPVEMGD

Alignment ORF3 and Tat SIV-AGM

ORF3	MTSKAPLLRKSQLHNLYYAPIQQEAVRAVVGQPPQ
	+T AP R+ ++ +L AP+Q +++ G+ Q
Tat SIV-AGM(p05913)	VTYHAPRTRRKIRSLNLAPOHQSIKWGRDGQ